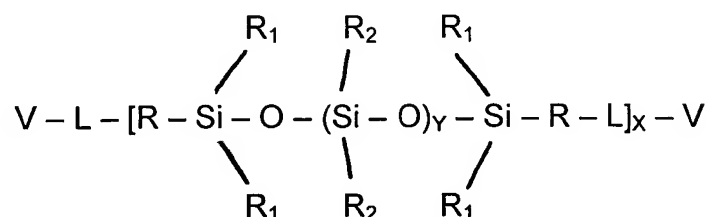


In the Claims:

The following claims have been amended as indicated below wherein added words are underlined and deleted words are {braced}.

Claim 1 (Currently amended): A prepolymer comprising:



wherein the V groups may be the same or different unsaturated photo or thermal polymerizable substituents of the general structure

$\text{R}_3\text{CH}=\text{C}(\text{R}_4)(\text{CH}_2)_p(\text{W})_q(\text{Z})_q(\text{Ar})_q\text{R}_5$; the R groups may be the same or different saturated C_{1-10} hydrocarbon substituents; the R_1 groups may be the same or different C_{1-10} alkyl substituents; the R_2 groups may be the same or different selected from the group consisting of C_{1-10} alkyl substituents, C_{1-10} fluoroalkyl substituents, C_{2-20} alkyl-fluoroalkyl substituents and C_{6-30} aromatic substituents {such as for example but not limited to phenyl}; the L groups, which may or may not be present in the subject prepolymers, may be the same or different urethane, urea

{, carbonate} or ester linkages; y is a natural number greater than 4 representing the sum of siloxane moieties with randomly differing R_2 groups as defined above so as to have a molar ratio of aromatic substituents to alkyl substituents no less than 1:4; x is a natural number such that the prepolymer molecular weight is at least approximately 1000 and refractive index is at least approximately 1.45; R_3 is selected from the group consisting of hydrogen, C_{1-10} alkyl and $-CO-U$ $\{-R_1$, but preferably hydrogen}; R_4 is selected from the group consisting of hydrogen and methyl; R_5 is a C_{1-10} divalent alkylene radical; the W group is selected from the group consisting of $-CO-$ and $-OCO-$; the Z group is selected from the group consisting of $-O-$ and $-NH-$; the Ar groups may be the same or different C_{6-30} aromatic radicals; p is a non-negative integer less than 7; q is either 0 or 1; and U is selected from the group consisting of $-OC_{1-12}$ alkyl radical, $-SC_{1-12}$ alkyl radical and $-NHC_{1-12}$ alkyl radical.

Claim 2 (Original): The prepolymer of claim 1 wherein at least one of said V groups is an acrylate group.

Claim 3 (Original): The prepolymer of claim 1 wherein at least one of said V groups is a methacrylate group.

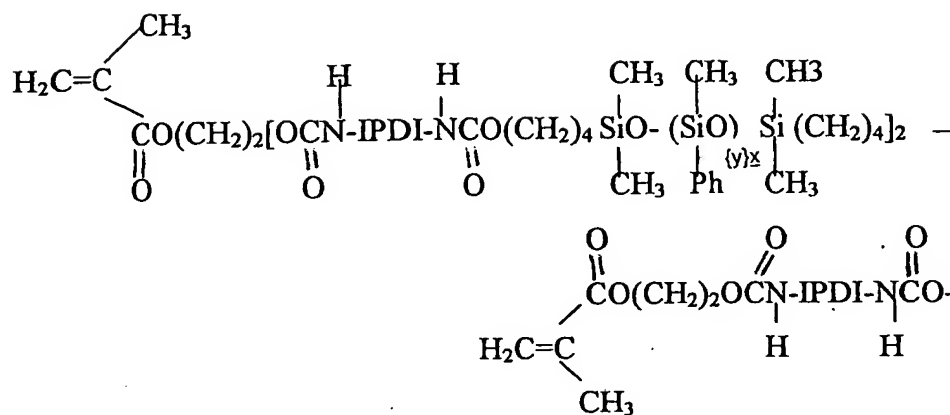
Claim 4 (Original): The prepolymer of claim 1 wherein at least one of said L groups is a urethane linkage.

Claim 5 (Original): The prepolymer of claim 1 wherein each R_1 group is methyl and each R_2 group is phenyl.

Claim 6 (Original): The prepolymer of claim 1 wherein each R group is trimethylene or tetramethylene.

Claims 7 – 24 (Withdrawn)

Claim 25 (Currently amended): A prepolymer comprising:



wherein IPDI represents an isophorone diisocyanate residue after removing an isocyanate group, the Ph groups are the same or different aromatic substituents and x is a natural number such that the prepolymer molecular weight is at least approximately 1000 and refractive index is at least approximately 1.45.